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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/500,421	06/25/2004	Hsuan-Ming Shih	LPTF01	5301
23900 7590 J C PATENTS, INC. 4 VENTURE, SUITE 250 IRVINE, CA 92618	04/04/2007		EXAMINER PEYTON, TAMMARA R	
			ART UNIT 2182	PAPER NUMBER
SHORTENED STATUTORY PERIOD OF RESPONSE 3 MONTHS	MAIL DATE 04/04/2007		DELIVERY MODE PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

<b>Office Action Summary</b>	Application No.	Applicant(s)
	10/500,421 Examiner Tammara R. Peyton	SHIH, HSUAN-MING Art Unit 2182

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on 18 January 2007.
- 2a) This action is FINAL.                            2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 23,24 and 26-33 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) 23,24 and 26-33 is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All    b) Some \* c) None of:
  1. Certified copies of the priority documents have been received.
  2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date. _____
3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)	5) <input type="checkbox"/> Notice of Informal Patent Application
Paper No(s)/Mail Date _____.	6) <input type="checkbox"/> Other: _____.

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 23, 24, and 26-32 rejected under 35 U.S.C. 103(a) as being unpatentable over Pua et al. (2002/0147882).

As per claim 23, Pua teaches a portable data converting and processing device (5, Fig. 1a) with standard data interface (USB interface, 200), comprising a standard data interface connector (10) and a data processing controller (microprocessor, 220, Fig. 2/controller, 40, Fig. 1a), characterized in that said standard data interface connector is integrated with said data processing controller (Figs. 1a, 1b, 2) to form a body unit, an electric interface is set in the body unit to connect to an external unit (detachable slave card/board, 150, Fig. 1b); [0006-0009] said data processing controller comprises , a conversion-controller which is an infrared receiving/transmitting module, or a RF processor, or an IC identification processor, or a multi-functional processor having a converting circuit which supports MMC card, SD card, CF card, MD card, SMC card, and flash storage medium UF1 to UFS; said external unit comprises a data storage device (150, Fig. 1b); said data storage device is a non-losable storage device. Pua teaches a portable USB data storage device with a built in flash memory storage and a connector 20 that can attach/detach a flash memory card (150). Pua does not expressly teach what type of memory card is utilized however one of ordinary skill would readily recognize that there are currently many different flash memory cards. Therefore,

it would have been obvious to one of ordinary skill at the time the invention was made that Pua's flash memory card could be many different types of well known memory cards - which supports MMC card, SD card, CF card, MD card, SMC card, or flash storage medium UF1 to UFS – because although these cards have unique mechanical and/or electrical interfaces according to their standardized specifications, the flash memory included in each is very similar and implementing one of these well known memory card would add and expand the flexibility of Pua's USB flash memory storage system without departing from the inventive concept. Further, Pua teaches the use of a controller/microprocessor for controlling the flash memory card therefore it would have been obvious to one of ordinary skill at the time the invention was made that Pua teaches a type of conversion-controller (controller/microprocessor, Figs. 1a, 2) in order to control the transmission of data from the flash memory card to an external host system.

As per claim 24, Pua teaches in that an electric interface matched for the connection with the body unit is set at one end of said conversion-controller, and an electric interface matched for the connection with the external unit is set at the other end of said conversion-controller. (Fig. 1a)

As per claim 26, Pua teaches that said standard data interface connector is plug-style or socket-style. (Fig. 1a)

As per claim 27, Pua teaches that said external unit or said conversion-controller is connected to covering body of the body unit by a leading groove connection or a plug-in connection or an elastic-fastening connection.

As per claim 28, Pua teaches that an elastic fastener is set in a covering body of said external unit and a tache is set in a corresponding place of the covering body of the body unit.

As per claim 29, Pua teaches that a separate rear-lid is set at the rear of a covering body of said body unit; thus a container is formed between the body unit and the rear-lid, and the external unit or the conversion-controller is put into this container.

As per claim 30, Pua teaches that said external unit is put on a bracket, which is inserted in grooves (20) in a covering body of the body unit.

As per claim 31, Pua obviously teaches that an electric interface for the external unit set in said processor, and because Pua teaches wherein the flash memory card could be a different types of memory cards it would have been obvious that the interface could be one of these well known interfaces including a standard USB connector, CF card connector, MMC card connector, SD card connector, SMC card connector, IBM Micro Drive connector, RS-232, COM port, IEEE1394 or PS/2.

As per claim 32, Pua teaches more than one data interfaces are set in a covering body of said body unit; said interfaces can be USB interface, CF card connector, MMC card connector, SD card connector, SMC card connector, IBM Micro Drive connector, RS 222, COM port, IEEE1394 or PS/2.

Claim 33 is rejected under 35 U.S.C. 103(a) as being unpatentable over Rallis et al.(6,216,230), sited in the previous Office Action 10/18/06.

As per claim 33, Rallis teaches a portable data converting and processing device with standard data interface (26), comprising a standard data interface connector and a data processing controller (obvious in the card reader interface (22)), characterized in that said standard data interface connector is integrated with said data processing controller to form a body unit, an electric interface is set in the body unit to connect to an

external unit (smart card, 29); said data processing controller comprises a connector-controller coupled to said external unit, wherein said external unit comprises an external processor which is an infrared receiving/transmitting module, or a RF processor, or an *IC identification processor, or a multi-functional processor having a converting circuit which supports MMC, SD card, CF card, MD card, SMC card, and flash storage medium UF1 to UFS.*

It would have been obvious to one of ordinary skill at the time the invention was made that the smart card (29, Fig. 5d, 6d) includes an external processor and data storage device.

### **Conclusion**

Applicant removed specific claim language from claim 1 that directly changed the scope of the invention. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL.** See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tammara Peyton whose telephone number is (571) 272-4157. The examiner can normally be reached between 6:30 - 4:00 from Monday to Thursday, (I am off every first Friday), and 6:30-3:00 every second Friday. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim Huynh can be reached on (571) 272-4083. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300. Any inquiry of a general nature of relating to the status of this application should be directed to the Group receptionist whose telephone number is (571) 272-2100.

Mailed responses to this action should be sent to:

Commissioner of Patents and Trademarks  
Washington, D.C. 20231.

Faxes for Official/formal (After Final) communications or for informal or draft communications (please label "PROPOSED" or "DRAFT") sent to:

(571) 273-8300

Hand-delivered responses should be brought to:

USTPO, Randolph Building, Customer Service Window  
401 Dulany Street  
Alexandria, VA 22314.

TAMMARA PEYTON  
PRIMARY EXAMINER

  
Tammara Peyton

March 24, 2007